

MD 924 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 924 AND ABINGDON/SINGER RD. IN HARFORD COUNTY, MD 924 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN AN EIGHT-PHASE FULL-ACTUATED MODE WITH AN EXCLUSIVE-PERMISSIVE LEFT TURN PHASE FOR ALL APPROACHES. THE PHASING WILL BE CHANGED TO INCLUDE A WESTBOUND PRE-EMPTION PHASE.

PROJECT CONSTRUCTION

WORK WILL INCLUDE INSTALLING AN OPTICOM PRE-EMPTION SYSTEM.

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR.
ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO DOT FOR APPROVAL PRIOR TO INSTALLATION.

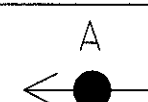
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8005	1 EA	FURNISH AND INSTALL DISCRIMINATOR MODULE, 4 CHANNEL, NO. 764
8018	270 LF	FURNISH AND INSTALL 4-CONDUCTOR OPTICOM CABLE
8051	1 EA	FURNISH AND INSTALL OPTICOM NO. 721 DETECTOR EYE

GENERAL NOTES

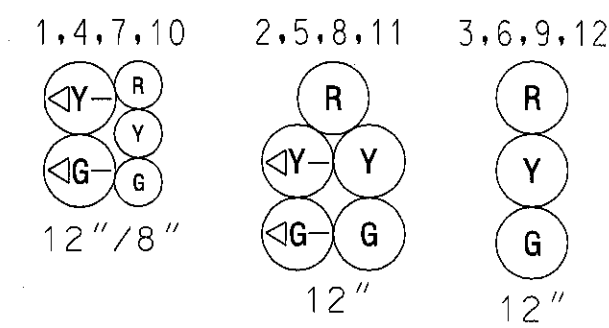
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- INSTALL 4-CONDUCTOR OPTICOM CABLE FROM THE PROPOSED OPTICOM DETECTOR EYE, ALONG THE MAST ARM, DOWN THE POLE THROUGH THE EXISTING CONDUIT TO THE EXISTING MOUNTED CABINET.

PROPOSED OPTICOM

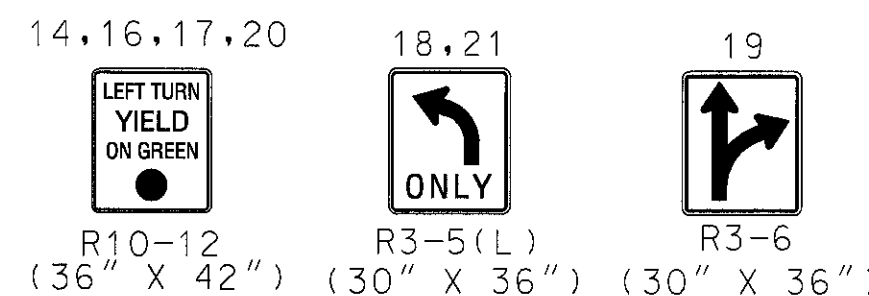
DETECTOR EYE



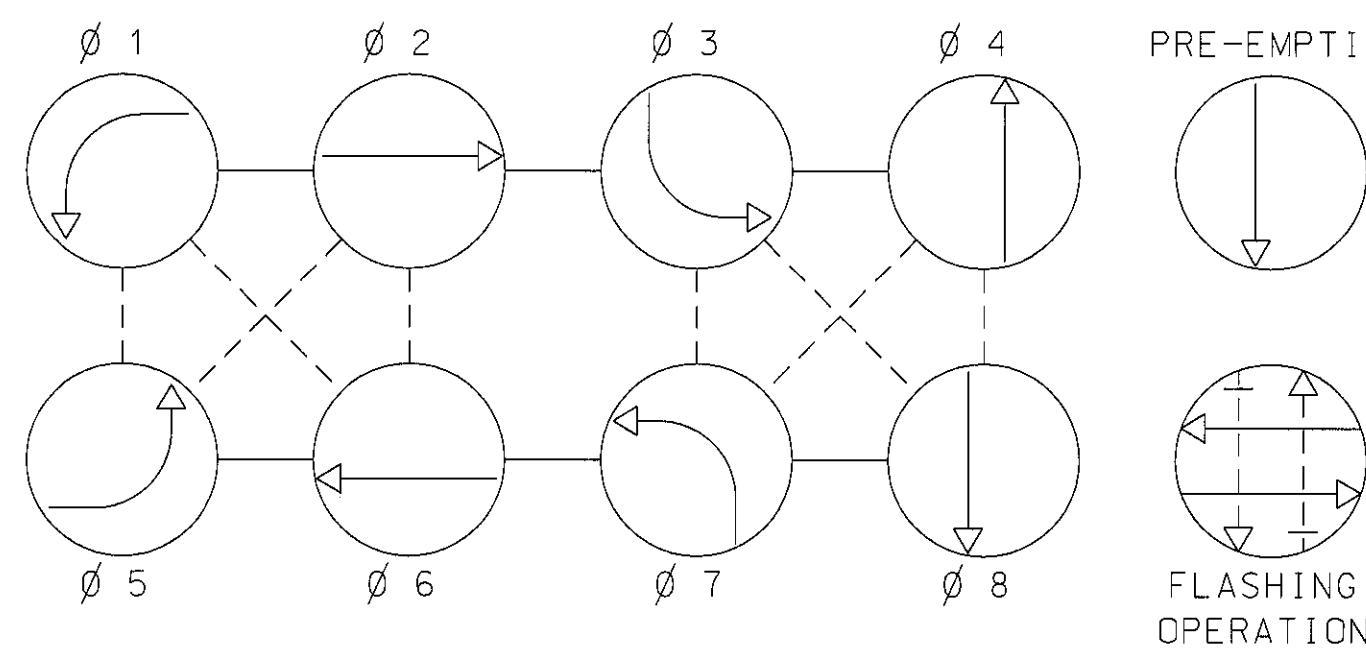
EXISTING SIGNALS



EXISTING SIGNS



NEMA PHASING



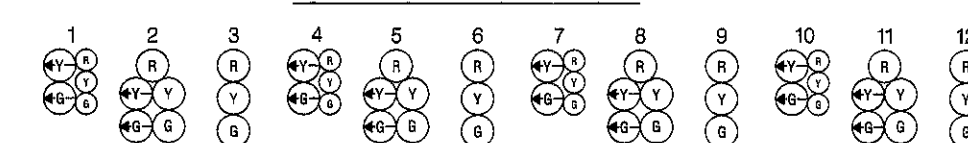
PHASING NOTES:

- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

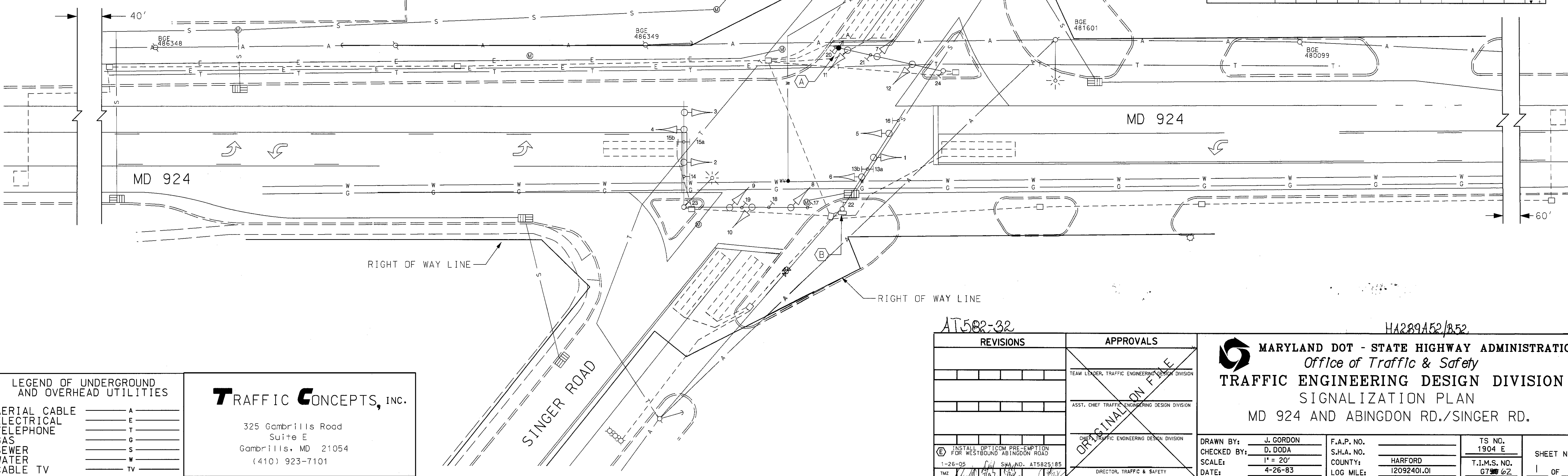
CONSTRUCTION DETAILS

- INSTALL OPTICOM DETECTOR EYE ON EXISTING MAST ARM AS SHOWN
- INSTALL DISCRIMINATOR MODULE IN EXISTING POLE MOUNTED CONTROLLER

PHASE CHART



PHASE 1 & 5	PHASE 2 & 6	PHASE 3 & 7	PHASE 4 & 8	PHASE 1 & 5	PHASE 2 & 6	PHASE 3 & 7	PHASE 4 & 8	PHASE 1 & 5	PHASE 2 & 6	PHASE 3 & 7	PHASE 4 & 8
PHASE 1 & 5 CHANGE	PHASE 1 & 5 MAY CHANGE TO PHASE 1 & 6, 2 & 5, OR 2 & 6	PHASE 1 & 5	PHASE 1 & 5	PHASE 1 & 5	PHASE 1 & 5	PHASE 1 & 5	PHASE 1 & 5	PHASE 1 & 5	PHASE 1 & 5	PHASE 1 & 5	PHASE 1 & 5
PHASE 1 & 6	PHASE 1 & 6	PHASE 1 & 6	PHASE 1 & 6	PHASE 1 & 6	PHASE 1 & 6	PHASE 1 & 6	PHASE 1 & 6	PHASE 1 & 6	PHASE 1 & 6	PHASE 1 & 6	PHASE 1 & 6
PHASE 2 & 5	PHASE 2 & 5	PHASE 2 & 5	PHASE 2 & 5	PHASE 2 & 5	PHASE 2 & 5	PHASE 2 & 5	PHASE 2 & 5	PHASE 2 & 5	PHASE 2 & 5	PHASE 2 & 5	PHASE 2 & 5
PHASE 2 & 6	PHASE 2 & 6	PHASE 2 & 6	PHASE 2 & 6	PHASE 2 & 6	PHASE 2 & 6	PHASE 2 & 6	PHASE 2 & 6	PHASE 2 & 6	PHASE 2 & 6	PHASE 2 & 6	PHASE 2 & 6
PHASE 3 & 7	PHASE 3 & 7	PHASE 3 & 7	PHASE 3 & 7	PHASE 3 & 7	PHASE 3 & 7	PHASE 3 & 7	PHASE 3 & 7	PHASE 3 & 7	PHASE 3 & 7	PHASE 3 & 7	PHASE 3 & 7
PHASE 3 & 8	PHASE 3 & 8	PHASE 3 & 8	PHASE 3 & 8	PHASE 3 & 8	PHASE 3 & 8	PHASE 3 & 8	PHASE 3 & 8	PHASE 3 & 8	PHASE 3 & 8	PHASE 3 & 8	PHASE 3 & 8
PHASE 4 & 7	PHASE 4 & 7	PHASE 4 & 7	PHASE 4 & 7	PHASE 4 & 7	PHASE 4 & 7	PHASE 4 & 7	PHASE 4 & 7	PHASE 4 & 7	PHASE 4 & 7	PHASE 4 & 7	PHASE 4 & 7
PHASE 4 & 8	PHASE 4 & 8	PHASE 4 & 8	PHASE 4 & 8	PHASE 4 & 8	PHASE 4 & 8	PHASE 4 & 8	PHASE 4 & 8	PHASE 4 & 8	PHASE 4 & 8	PHASE 4 & 8	PHASE 4 & 8
PRE-EMPTION	PRE-EMPTION	PRE-EMPTION	PRE-EMPTION	PRE-EMPTION	PRE-EMPTION	PRE-EMPTION	PRE-EMPTION	PRE-EMPTION	PRE-EMPTION	PRE-EMPTION	PRE-EMPTION
FLASHING OPERATION	FLASHING OPERATION	FLASHING OPERATION	FLASHING OPERATION	FLASHING OPERATION	FLASHING OPERATION	FLASHING OPERATION	FLASHING OPERATION	FLASHING OPERATION	FLASHING OPERATION	FLASHING OPERATION	FLASHING OPERATION



LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	— A —
ELECTRICAL	— E —
TELEPHONE	— T —
GAS	— G —
SEWER	— S —
WATER	— W —
CABLE TV	— TV —

TRAFFIC CONCEPTS, INC.

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AT502-32

REVISIONS	APPROVALS
	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
	ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
SIGNALIZATION PLAN
MD 924 AND ABINGDON RD./SINGER RD.

DRAWN BY: J. GORDON	F.A.P. NO. 1904 E	TS NO. 1904 E
CHECKED BY: D. DODA	S.H.A. NO. HARFORD	T.L.M.S. NO. 67062
SCALE: 1" = 20'	COUNTY: HARFORD	LOG MILE: 12092401.01
DATE: 4-26-83		